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IN THE SPECIFICATION

Please replace the paragraph beginning on page 12, lines 13-16 with the amended replacement paragraph as follows:

{Timestamp, content server ID, client IP address, network distance}
where Timestamp is the time at which the network distance measurement was made, content server (i.e., cache) ID identifies the particular content server 54 making the measurement, and client IP address identifies the particular client 52 accessing the content server.

Please replace the paragraph beginning on page 12, lines 17-22 with the amended replacement paragraph as follows:

Network distance may be measured in a number of ways. A preferred method for measuring network distance is by computing the round trip time (RTT), defined as the time taken for a packet to travel from content server to client and back again. Two methods for calculating the RTT are described below. It is noted that other approaches for calculating the RTT are within the scope of the present invention, such as, for example, measuring the bandwidth, jitter or packet loss.

Please replace the paragraph beginning on page 15, lines 2-9 with the amended replacement paragraph as follows:

The system of the present invention may conceivably include a large number of domains. Given the large number of domains, the process of identifying the content server 54 having minimum round [tip] trip time in response to a client domain name request can be significantly slowed. The present invention addresses this concern by grouping domains which have their content stored on the same subset of content servers 54a-e in the network, referred to herein as [as] domain indices. It is noted that the domains which make up a particular domain index may be wholly

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unrelated in terms of their subject matter. The sole criterion for determining a domain index is co-location of content on the same subset of content servers 54a-e.

Please replace the paragraph beginning on page 15, lines 10-13 with the amended replacement paragraph as follows:

The clustering/mapping software 57, which is described more completely in Section II, maintains a domain list, which is a listing of all domain indices in the system along with those content servers 54a-e in the network that store the domain indices. Table I is an exemplary illustration of a representative domain list.

Please replace the paragraph beginning on page 16, lines 7-12 with the amended replacement paragraph as follows:

As stated above, the redirection DN server 56 performs a clustering/mapping operation preferably at every third discrete time interval to create a mapping to respond to client DN requests. The clustering/mapping software 57 includes a clustering operation in which client clusters having similar CIDR address prefixes are created and a mapping operation which maps or associates the created client clusters with one or more best-performing content servers in the network. The clustering and mapping operations are described in detail below.